

Lucas Henrique Campos Carvalho

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$$\begin{array}{r} \textcircled{1} \quad 60 \\ \times 2 \\ \hline 120 \\ + 4 \\ \hline 124 \end{array}$$

$$\begin{array}{r} 124 \\ + 60 \\ \hline 184 \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 148 \\ \times 12 \\ \hline 296 \\ 1480 \\ \hline 1776 \end{array}$$

$\textcircled{3}$ 3 por 1 min

$$\begin{array}{r} 3 \quad 1 \\ \times \quad 60 \\ \hline \end{array}$$

$$\begin{array}{r} 180 \\ \times 2 \\ \hline 360 \end{array}$$

em 2h 360 voltas $x = 180$

FORONI

$$\begin{array}{r} 15 \\ \times 3 \\ \hline 195 \end{array}$$

$$\begin{array}{r} 45 \\ \times 2 \\ \hline 90 \end{array}$$

1 1

④ $1045 / 45$

$90 \quad 23,2 \approx 24$

145

135

100

90

10

R = zero, missing 24 onibus

⑤ $260 / 60$

$240 \quad 4,30$

200

180

20

60

60

$4,30 \text{ min}$

$+4$

$\times 3$

240

180

⑥ $\frac{1}{6} = 6 \text{ m}$

$6 \times 6 = 36 \text{ m}$

⑦ $\frac{1}{3} = 7 \text{ m}$

$7 \times 3 = 21 \text{ m}$

$6145 \quad 30$

$\times 100$

30×4500

$\times 450$

3

4013

$\frac{2}{15} \quad 150$

R = 150 toras

⑧ $1820 \quad 100$

$\times 75$

$1820 \times 136,500$

$x = 1365$

$\frac{3}{4} = 25 \times 3 = 75$

⑨ $75\% = 75 \quad 75\% \quad R = 1000$

$100\% = 1000$

⑩ $1344 \quad 100\%$

$\times 92\%$

$100\% = 123,648$

$R = 1236,48$

$x = 1236,48$

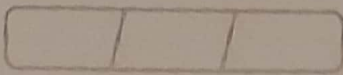
$1400 \quad 100\%$

$\times 96\%$

$1400 \times 234,400$

$x = 1344$

FORONI



$$\begin{array}{r} 35 \quad 35 \quad 312 \\ \times 4 \quad \times 6 \quad \times 8 \\ \hline 60 \quad \quad \quad 96 \end{array}$$

11) $P 100\%$ $100\% \times = 46\%$ $R = 9,60 \text{ R\$}$
 $\times 120\%$ $x = 9,6$

12) 100% 513 $0,46$ $0,46$
 $600,46 \dots$ $3 \quad 2,6 \dots$ $+ x$ $+ 1,2$
 100 20 $2,6$ $1,6$
 90 10
 2 $2,2 = \frac{6}{5}$

13) x $P 175$ $\times 15/25 =$
 960 Km $\times 15/25$ $x = 5,72$

960 $R = \text{alta } 948 \text{ Km}$
 $5,72$
 $44,8$

14) $\frac{1}{6}$ de $60 = 10 \text{ min}$ $\text{e cada } 10 \text{ min } 30 \text{ min}$
 $6 \text{ min } 9$ 6 30 min
 $\times 5$
 30

15) $1 \text{ rede} = 72 \text{ m}$ $S = 72 \times 5$
 $S \text{ rede} = 360 \text{ m}$
 $P 100$ $R = 360 \text{ m}$
 $\times 90$

$100 \times = 7200$
 $x = 72 \text{ m}$

16) 160 l 100 $100 \times = 1120$
 $\times 70$ $x = 112$ $S/P \text{ de } 48$
 $R = 30 \text{ litros}$
 didos

ORONI: $x = 112$

$$\begin{aligned} (17) \quad x \cdot x &= -2788 & R &= -34 \\ p2 \cdot x &= -2788 \\ x &= \frac{-2788}{p2} \\ x &= -34 \end{aligned}$$

$$\begin{aligned} (18) \quad x \cdot 4 - 30 &= -210 & -45 \cdot 4 - 30 &= -210 \\ x \cdot 4 &= -210 + 30 & -180 - 30 &= -210 \\ x \cdot 4 &= -180 & -210 &= -210 \\ x &= \frac{-180}{4} \\ x &= -45 \end{aligned}$$

$$\begin{aligned} (19) \quad 110 \text{ g} & \quad 10,40 \\ 10 \text{ g} & \quad 10,40 + 20\% \end{aligned}$$

$10,40 \cdot 100$
 $\times 110$
 $100x = 1248$
 $x = 12,48 \text{ g}$

12,48	10,40	1877,0
$\times 10$	$\times 100$	$+ 124,8$
124,8	1.072	1996,8

$$\begin{aligned} (20) \quad 1150 & \quad 100 & 100x &= 24000 & R &= 240 \text{ reais} \\ 20\% & \quad + \times p0 & x &= 240 \end{aligned}$$

$$\begin{aligned} (21) \quad 40 & \quad 100 & 100x &= 1200 & R &= 12 \text{ alunos} \\ \times 30\% & & x &= 12 \end{aligned}$$

(22) 90	100%	60	100%	50	100%
$\times 80\%$		$\times 40\%$		$\times 60\%$	
$100x = 7200$		$100x = 2400$		$100x = 3000$	
$x = 72$		$x = 24$		$x = 30$	

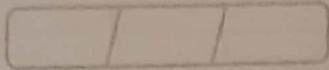
199
220

126

74

$R = 74$ não foram vendidos

FORON



$$\begin{array}{rcl} \textcircled{23} & 75 & 100\% \\ \times & \times & 120\% \\ \hline & & x = 90 \end{array} \quad \begin{array}{r} 100x = 9000 \\ - 115 \\ \hline 15 \end{array}$$

R = 15 Reais

$$\begin{array}{rcl} \textcircled{24} & 2400 & 100\% \\ \times & \times & 120\% \\ \hline & & x = 1680 \end{array} \quad \begin{array}{r} 100x = 208000 \\ - 1680 \\ \hline \end{array}$$

$$\begin{array}{rcl} \textcircled{25} & 1500 & 100\% \\ \times & \times & 95\% \\ \hline & & x = 1425 \end{array} \quad \begin{array}{r} 100x = 142500 \\ - 1425 \\ \hline \end{array}$$

$$\begin{array}{rcl} \textcircled{26} & 22.000 & 100\% \\ \times & \times & 0,12\% \\ \hline & & x = 24,4 \end{array} \quad \begin{array}{r} 100x = 2440 \\ - 24,4 \\ \hline \end{array}$$

R = 22.024,4 R\$

$$\begin{array}{rcl} \textcircled{27} & 380 & 100\% \\ \times & \times & 85\% \\ \hline & & x = 323 \end{array} \quad \begin{array}{r} 100x = 32300 \\ - 323 \\ \hline \end{array}$$

$$\begin{array}{rcl} \textcircled{28} & 24 & 100\% \\ \times & \times & 70\% \\ \hline & & x = 3000 \end{array} \quad \begin{array}{r} 24x = 3000 \\ - 3000 \\ \hline 24 \\ x = 125 \\ - 100 \\ \hline 25\% \end{array}$$

$$\begin{array}{rcl} \textcircled{29} & 50 & 100\% \\ \times & \times & 125\% \\ \hline & & x = 62,5 \end{array} \quad \begin{array}{r} 100x = 6250 \\ - 62,5 \\ \hline \end{array} \quad \begin{array}{r} 62,5 \times 100 \\ \times \times 120 \\ \hline x = 75 \end{array}$$

$$\begin{array}{rcl} \textcircled{30} & 200 & 100\% \\ \times & \times & 70\% \\ \hline & & x = 70 \end{array} \quad \begin{array}{r} 100x = 7000 \\ - 70 \\ \hline \end{array} \quad \begin{array}{r} 70 \times 100 \\ \times \times 80 \\ \hline 100x = 5000 \\ - 50 \\ \hline \end{array}$$

FORONI:

R = 56 Reais

x = 50

$$\textcircled{31} \quad 4 \text{ col. } 3 \\ 5 \text{ col. } 2 \\ p + 80\% - 20\% = 72$$

$$50 + 4/5 - 2/5 = 72$$

$$\textcircled{32} \quad \begin{array}{r} 1500 \\ 2100 \end{array} \quad \begin{array}{r} 100 \\ \times \\ \hline \end{array} \quad \begin{array}{r} 1500x = 21000 \\ x = 2100 \\ 25 \\ x = 140 \\ - 200 \\ \hline 40\% \end{array}$$

$$\textcircled{33} \quad \begin{array}{r} 4500 \\ \times \end{array} \quad \begin{array}{r} 90\% \\ 200\% \\ \hline \end{array} \quad \begin{array}{r} 90x = 45000 \\ x = 45000 \\ 9 \\ x = 5000 \end{array}$$

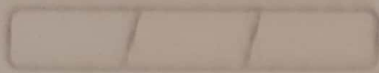
$$\textcircled{34} \quad a = 51 \text{ R\$}$$

$$b) 79 \text{ R\$}$$

$$c) 264 \text{ R\$}$$

$\textcircled{35}$ 4, 5 e 10 multiplicados por alguns números, quais resultados iguais de para fazer

$$\begin{array}{lll} 4 \times 4 = 16 & 4 \times 5 = 20 & R = 20 \text{ dias} \\ 5 \times 4 = 20 & 5 \times 4 = 20 & \\ 10 \times 4 = 40 & 10 \times 2 = 20 & \end{array}$$



$$(36) 12 + 30 = 42$$

$$420 \text{ anos}$$

$$\begin{array}{r} 42 \\ P4/32 \\ \hline 42 \end{array} \quad \begin{array}{r} 42 \\ 120 \\ \hline 420 \end{array}$$

$$(37) x + y = 20$$

$$x + 3/2x = 20$$

$$x = 20 - 3/2x$$

$$x = 12$$

$$(38) 80$$

$$3/2 \text{ de } x = 50$$

$$(39) 2f = 3/7 \text{ o' mulher } 42, 10\% \text{ e' mulher}$$

$$2P \times 100\%$$

$$100x = 1176$$

$$x = 42\%$$

$$x = 11,76$$

$$x \approx 12 \text{ mulheres}$$

$$(40) 3/5 = 9 \quad \text{ta aumentando de 3 em 3}$$

$$4/5 = 12$$

$$5/5 = 15$$

$$R = 15 \text{ anos}$$

$$(41) 25$$

$$(42) 12$$

$$(43) 3 \times 6 = 18$$

